CLAIMS

What is claimed is:

1. A drive system for a motor vehicle, said drive system comprising:

a drive shaft;

a centrifugal mass mounted on said drive shaft for rotation about an axis and being profiled with an axial receiving space;

an electrical machine comprising a rotor mounted on the centrifugal mass and a stator arranged radially with respect to said rotor; and

at least one component accommodated in said receiving space.

2. A drive system as in claim 1 wherein said electrical machine is mounted on a side of said centrifugal mass which is mounted to said drive shaft.

3. A drive system as in claim 1 further comprising a housing having at least one part, said centrifugal mass and said electrical machine being arranged in said housing.

4. A drive system as in claim 3 further comprising a stator bracket which attaches said stator to said housing.

5. A drive system has in claim 4 further comprising a cooling channel in said stator bracket.

6. A drive system as in claim 4 wherein said stator bracket bounds said receiving space radially.

7. A drive system as in claim 1 wherein said centrifugal mass comprises a radially inner first area, a radially outer second area, and a third area connecting said first and second areas, which are offset both radially and axially.

8. A drive system as in claim 7 wherein said first area and said third area bound two sides of said receiving space.

9. A drive system as in claim 1 wherein said centrifugal mass comprises a first area and a second area which are connected to each other at an angle.

10. A drive system as in claim 9 wherein said first area comprises an attachment area for attaching said centrifugal mass to said drive shaft, and said second area comprises an attachment area for attaching said rotor, said second area having at least one through opening.

11. A drive system as in claim 9 wherein said first and second areas bound two sides of said receiving space.

12. A drive system as in claim 1 further comprising a clutch, said clutch comprising said component accommodated in said receiving space.

13. A drive system as in claim 12 wherein said clutch comprises a clutch disk arrangement, said clutch disk arrangement comprising said component in said receiving space.

14. A drive system as in claim 12 wherein said clutch comprises an actuating device, said actuating device comprising said component accommodated in said receiving space.

15. A drive system as in claim 14 wherein said actuating device comprises an actuator, said actuator comprising said component accommodated in said receiving space.

16. A drive system as in claim 15 further comprising a housing having at least one part, said centrifugal mass and said electrical machine being arranged in

said housing, and a stator bracket attaching said stator to said housing, said stator bracket having an inner surface, said actuator comprising a cylinder formed by said inner surface.

17. A drive system as in claim 12 wherein said clutch comprises a diaphragm spring which is accommodated in said receiving space.

18. A drive system as in claim 1 wherein said at least one component comprises at least one torsion damper.

19. A drive system as in claim 1 wherein said electrical machine is a starter-generator.